

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 71-41

WASTE DISCHARGE REQUIREMENTS  
FOR  
THE CITY OF SAN LEANDRO

The California Regional Water Quality Control Board, San Francisco Bay Region, finds that:

1. This Regional Board prescribed requirements for the City of San Leandro, called the discharger below, in Resolution No. 463, adopted May 16, 1963.
2. The discharge includes approximately 8.0 mgd of sewage and industrial waste serving a population of 42,000. The current plant design capacity is 11.0 mgd. The waste is being discharged into San Francisco Bay at the westerly end of Davis Street through a channel approximately 20 feet wide.
3. The Board adopted a water quality control plan for tidal waters inland from the Golden Gate and within the San Francisco Bay Region on March 26, 1970.
4. The beneficial uses of San Francisco Bay which may be affected by these discharges are:  
  
Swimming, water skiing, wading, pleasure boating, marinas and fishing  
  
Fish and wildlife propagation and sustenance, and migratory birds habitat and resting  
  
Navigation channels and port facilities  
  
Esthetic enjoyment.
5. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
6. The Board in a public meeting heard and considered all comments pertaining to the discharge.
7. This Regional Board has urged the discharger and five other East Bay dischargers to develop a coordinated subregional water quality control program consistent with the general concepts of Phase I of the plan recommended by the Final Bay-Delta Program Report.

IT IS HEREBY ORDERED, the discharger shall comply with the following:

A. Waste Discharge Requirements

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The discharge shall not cause:
  - a. Floating, suspended, or deposited macroscopic particulate matter or foam, in waters of the State at any place;
  - b. Bottom deposits or aquatic growths at any place;
  - c. Alteration of temperature, turbidity, or apparent color beyond present natural background levels in waters of the State at any place;
  - d. Visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place;
  - e. Waters of the State to exceed the following limits of quality at any point:

Dissolved oxygen

5.0 mg/l minimum

When natural factors cause lesser concentrations, then this discharge shall not cause further reduction in the concentration of dissolved oxygen

Dissolved sulfide

0.1 mg/l maximum

Other substances

Any one or more substances in concentrations that impair any of the protected beneficial water uses or make aquatic life or wildlife unfit or unpalatable for consumption.

3. The waste discharged to the outfall channel shall meet these quality limits at all times:
  - a. In any grab sample:

pH

7.0 minimum

8.5 maximum

Settleable Matter

The arithmetic average of any  
six or more samples collected  
on any day 0.5 ml/l/hr., maximum

80% of all individual samples  
collected during maximum daily  
flow over any 30-day period 0.4 ml/l/hr., maximum

Any sample 1.0 ml/l/hr., maximum.

b. In any representative set of samples:

Toxicity: survival of test fishes in 96-hour bioassays of the waste  
as discharged

Any determination 70%, minimum

Average of any three or more  
consecutive determinations made  
during any 21 or more days 90%, minimum

c. In any representative, 24-hour composite sample:

Nutrients to be prescribed at the  
earliest practicable date

d. Bacterial quality of the waste at some point in the treatment process  
shall be within the limits prescribed in Section 7958, Title 17,  
California Administrative Code, at all times.

The Board will accept proof of effective effluent disinfection in  
terms of factors other than bacterial concentrations if the discharger  
documents a sound statistical correlation between the disinfection data  
and bacterial analysis.

B. Provisions

1. This Order includes items numbered 1, 2, 5, 6, and 7 of the attached  
"Reporting Requirements", dated August 28, 1970.
2. This Order includes items numbered 1, 2, 3, 4, 5, 6, and 7 of the attached  
"Notifications", dated January 6, 1970.
3. The City of San Leandro shall comply with the following time schedule  
and reporting program to assure compliance with the waste discharge  
requirements of this order:

INTERIM IMPROVEMENTS

<u>TASK</u>	<u>COMPLETION DATE</u>	<u>STATUS REPORT DATE</u>
Complete Conceptual Design	July 15, 1971	July 20, 1971
Secure approvals to authorize design	September 1, 1971	September 15, 1971
Complete Final Design	February 1, 1972	February 15, 1972
Commence Construction	May 1, 1972	May 15, 1972
Complete Construction	December 15, 1972	January 1, 1973

SUBREGIONAL WATER QUALITY CONTROL PROGRAM

<u>TASK</u>	<u>COMPLETION DATE</u>
Complete subregional program study and submit time schedule for meeting all requirements	December 1, 1971

4. This Board's Resolution No. 463 is hereby rescinded.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on June 24, 1971.

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Executive Officer